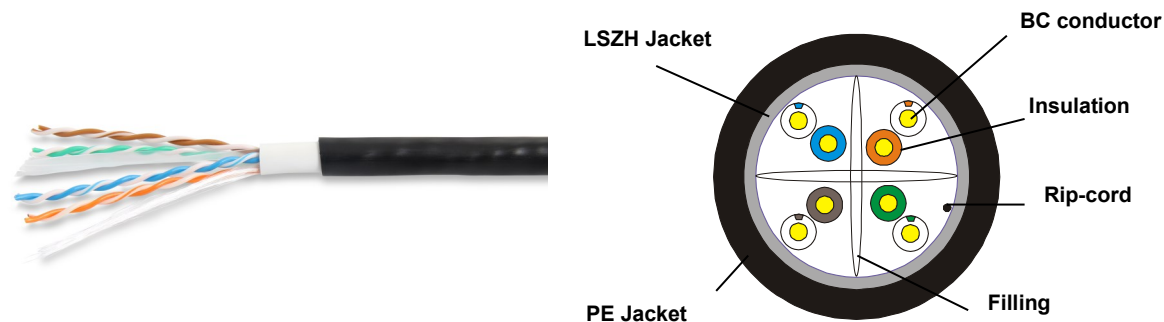


EUROLAN Copper cable

C6 U/UTP In/out LSZH+PE



Ordering information

Part number	E-number	Description
19D-U6-37BL-R305	4903293	Eurolan C6 U/UTP In/Outdoor Fca/Dca double jacket LSZH+PE BL 305m/reel
19D-U6-37BL-R500	4903295	Eurolan C6 U/UTP In/Outdoor Fca/Dca double jacket LSZH+PE BL 500m/reel

Construction

Conductor	Bare copper wire Ø 0,55 mm (AWG23)
Insulation	High Density Polyethylene, Ø 0,95 ± 0,05 mm
Inner jacket	LSZH Ø 0,55 White
Twisting	2 cores to the pair
Cable lay up	1x4 pairs to the core, non-metallic cross separator (spline), rip-cord
Sheath outer Ø	Ø 7,3 ± 0,5 mm - LDPE (RoHS compliant) Black

Mechanical Properties

Bending radius	Without load	≥ 4 x OD
	With load	≥ 8 x OD
Temperature range	Installation temperature	-30°C to +50°C

✓ Verified for high-speed applications up to 250 MHz (1Gbit Ethernet)

✓ **Application:**
Primary (campus), Secondary (riser), Tertiary (horizontal)
IEEE 802.3:
10/100/1000/10000 BaseT
IEEE 802.5 16MB; ISDN;
FDDI; ATM Power over Ethernet (PoE)/ PoE+

✓ **Standards:**
ISO/IEC 11801; TIA568-C.2

EUROLAN Copper cable

C6 U/UTP In/out LSZH+PE

Electrical Properties

Sheat Physical Properties	Before aging	Tensile Strenght (Mpa) $\geq 10,0$ Elongation (%) ≥ 350
	Aging period (°Cxhrs)	100°Cx24hx10d
	After aging	Elongation (%) ≥ 300
	Cold bend	(-20 $\pm$ 2°Cx4h) no visible cracks
Electrical Characteristics (20°C)	Characteristic impedance	(Ω) 100 $\pm$ 15
	Delay skew (ns/100m)	≤ 45
	DC resistance (Ω /100m) max	9,5
	DC conductor Resistance Unbalance (%)	Max 5,0
Nominal velocity propagation (NVP)	69%	

Electrical Data (nominal) acc. to C6_A (at 20°C)

F	Return loss	Attenuation	NEXT	PHASE	PS-NEXT	ELFEXT	PS-ELFEXT
(MHz)	(dB)	(dB/100m)	(dB)	$\leq ns$	(dB)	(dB/100m)	(dB/100m)
1,0	20	2,03	74,3	570,00	72,3	67,8	64,8
4,0	23	3,78	65,3	552,00	63,3	55,8	52,8
8,0	24,5	5,32	60,8	546,73	58,8	49,7	46,7
10,0	25	5,95	59,3	545,38	57,3	47,8	44,8
16,0	25	7,55	56,2	543,00	54,2	43,7	40,7
20,0	25	8,47	54,8	542,05	52,8	41,8	38,8
25,0	24,3	9,51	53,3	541,20	51,3	39,8	36,8
31,25	23,6	10,67	51,9	540,44	49,9	37,9	34,9
62,5	21,5	15,38	47,7	538,55	45,4	31,9	28,9
100,0	20,1	19,80	44,3	537,60	42,3	27,8	24,8
200,0	18,0	28,98	39,8	536,54	37,8	21,8	18,8
250,0	17,3	32,85	38,3	536,27	36,3	19,8	16,8